DRAFTING & DESIGN ANIMATION 10

Objectives/Goals and Major Messages

This course focuses on graphical communication methods used in design. The course involves the student in board sketching, rendering, computer drafting, computer animation, project modeling, problem solving, and independent project work. The student will use Auto-Cad, 3D Studio MAX, and Modeling tools to solve challenges related to fashion, architecture, landscape, interior design and product development, etc. The student will also have exposure to 3D printing and CNC milling. It's a chance to create graphical messages, design clothing, create 3D models and produce architectural models. Projects become very personal as you independently design, animate and model your own creative impressions of tomorrow's society.

Outline

We will be working through the following modules, and not necessarily in any order.

> Design and Sketching
> Mechanical Drafting skills
> Autodesk Rivet
> Animation
> Final personal project

Safety

Safety becomes a concern during the use of shop machinery, hand tools for model construction. Proper use of these instruments will be discussed and demonstrated prior to beginning these assignments. Where appropriate students must successfully pass the safety exams, and the students must receive instructor permission prior to any work being completed through the use of machinery.

Integration of IRP topics

1. Design and communication- Design process, reflection, production, and presentation.
2. Production-The process of analyzing, evaluating and redesigning products

Social Context

Designers and draftspersons are vital to society, they are responsible in seeing a customer's concept become reality. Every item we use or have been exposed to has been designed by someone, thus design is a fundamental part of everyday life. The student will learn how to:

- design items to customers specification
- the students will be required to communicate effectively with clients and team members where appropriate.

Summary

Through successful completion of Drafting, Design and Animation 10 the students gain confidence, they will have the opportunity to use the design process, they will effectively communication solutions to the problems, and implement the appropriate design upgrades. Through these skills they are improving important communication, analysis and evaluation skills that can be transferred to any field of endeavor.